This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

```
1.
         (amended)
                    An inkjet device comprising:
1
         at least one printhead arranged to eject ink drops
    in a spitting operation;
         a spittoon arranged to store the ejected ink; and
         a generally planar shelf mounted for rocking motion
    between:
              a first position for directly receiving
                   and retaining the ejected ink from
                   the printhead, and
10
11
              a second position for transferring the
12
                   received ink to the spittoon by
13
                   spilling the received ink from the
14
                   shelf into the spittoon.
15
```

(amended) An inkjet device comprising: 2. 1 at least one printhead arranged to eject ink drops 2 in a spitting operation; a spittoon arranged to store the ejected ink; and a temporary spittoon arranged to move between first and second positions, said temporary spittoon being arranged in the first position so that the ink drops are ejected onto a surface of said temporary spittoon, and said temporary spittoon being further arranged to transfer the ink to the spittoon when in the second position; 10 wherein the surface of the temporary spittoon is 11 approximately 1 mm to 10 mm from the printhead when the 12 temporary spittoon is in the first position. 13

RV

4. (amended) A device according to claim 1, wherein:
the shelf is substantially horizontal when in the
first position.

(amended) An inkjet device comprising: at least one printhead arranged to eject ink drops in a spitting operation; a spittoon arranged to store the ejected ink; and a temporary spittoon arranged to move between first 5 and second positions, said temporary spittoon being arranged in the first position so that the ink drops are ejected onto a surface of said temporary spittoon, and said temporary spittoon being further arranged to transfer the ink to the spittoon when in the second position; 10 wherein the temporary spittoon is mounted on a shut-11 tle, said shuttle being arranged to move the temporary 12 spittoon between the first and second positions. 13

the temporary spittoon is arranged to be oriented in a first orientation when in the first position and in a second orientation different from the first orientation when positioned in the second position, such that when positioned in the second position the temporary spittoon is arranged to transfer the ink from the spittoon surface by gravity.



7. (amended) A device according to claim 6, wherein:
the temporary spittoon is rotatably mounted to the
shuttle and arranged to pivot relative to the shuttle
between the first and second orientations.



8. (amended) A device according to claim 7, wherein:
the temporary spittoon is arranged to rotate relative to the shuttle under the action of one or more came surfaces.

My

```
(amended) An inkjet device comprising:
         at least one printhead arranged to eject ink drops
    in a spitting operation;
         a spittoon arranged to store said ejected ink;
         a temporary spittoon arranged to move between first
    and second positions, said temporary spittoon being ar-
    ranged in the first position so that the ink drops are
    ejected onto a surface of the temporary spittoon, and
    said temporary spittoon being further arranged to trans-
    fer the ink to the spittoon when in the second position;
7.0
    and wherein:
         the surface of the temporary spittoon is substan-
12
    tially horizontal when the temporary spittoon is in the
13
    first position;
14
         the temporary spittoon is mounted on a shuttle, the
15
    shuttle being arranged to move the temporary spittoon
16
    between the first and second positions; and
17
         the temporary spittoon is arranged to be oriented in
18
    a first orientation when in the first position and in a
19
    second orientation different from the first orientation
    when positioned in the second position, such that when
21
    positioned in the second position the temporary spittoon
22
    is arranged to transfer the ink on the spittoon surface
23
    under gravity; and
24
         the temporary spittoon comprises a flexible material
25
    fixedly mounted to the shuttle, the temporary spittoon
26
    being arranged to bend or deform between the first and
27
    second orientations.
28
```

NY

14. (amended) An inkjet device comprising: at least one printhead arranged to eject ink drops 2 in a spitting operation; 3 a spittoon arranged to store the ejected ink; a temporary spittoon arranged to move between first 5 and second positions, said temporary spittoon being arranged in the first position so that the ink drops are 7 ejected onto a surface of the temporary spittoon, and said temporary spittoon being further arranged to transfer the ink to the spittoon when in the second position; 10 wherein the surface of the temporary spittoon is 11 substantially horizontal when the temporary spittoon is 12 in the first position; and 13 wherein the temporary spittoon is mounted on a shut-14 tle, said shuttle being arranged to move the temporary 15 spittoon between the first and second positions; and 16 a printhead servicing element comprising a cap or a 17 wiper arranged to be movable between a non-active posi-18 tion distant from the printhead and an active position 19 adjacent to the printhead; wherein the movement of the temporary spittoon is 21 linked to that of the servicing element so that the tem-22 porary spittoon is arranged to be in the first position 23 when the servicing element is in the non-active position 24 and to be in the second position when the servicing element is in active position.

- 1 16. (amended) A device according to claim 5:
 2 further comprising a plurality of pens;
 3 wherein in the first position the temporary spittoon
 4 is arranged so that ink drops ejected in spitting opera5 tions by one or more of the plurality of pens are ejected
 6 onto a surface of the temporary spittoon.
 - 1 18. (amended) A device according to claim 16, further
 2 comprising:
 3 one or more scrapers arranged to remove ink from the
 4 temporary spittoon surface as the temporary spittoon
 5 moves between the first and second positions.
 - 1 19. (amended) A device according to claim 5, wherein:
 2 the device is arranged so that in the second posi3 tion the temporary spittoon is located substantially in
 4 contact with the spittoon or ink stored therein, the
 5 temporary spittoon being adapted so that the ink on the
 6 temporary spittoon surface is able to flow from the tem7 porary spittoon to the spittoon.
 - 20. (amended) A device according to claim 5, wherein:
 the temporary spittoon comprises a porous body adapted to allow the ink on the temporary spittoon surface to flow through the temporary spittoon to the spittoon.
 - 1 21. (amended) A device according to claim 5, wherein: 2 the inkjet device is a printer.

REAL

1	22. (amended) An inkjet printhead servicing assembly
2	comprising:
3	a spittoon arranged to store ink ejected by an ink-
4	jet printhead in a spitting operation; and
5	a spitting shelf rockable between:
6	
7	a first position for directly receiving
8	ink drops ejected by the printhead in
9	a spitting operation, and
10	
11	a second position for pouring the received
12	ink off the shelf into the spittoon.
1	23. (amended) An inkjet device comprising:
2	at least one print head arranged to eject ink drops
3	in a spitting operation;
4	a spittoon arranged to store the ejected ink; and
5	a temporary ink receiver arranged and powered to
6	move between:
7	
8	a first position in relatively closer
9	proximity to a nozzle plate of the
10	printhead, to intercept ink with min-
11	imal formation of aerosol; and
12	
13	a second position relatively more distant
14	from the nozzle plate to allow cap-
15	ping or wiping of the nozzle plate.

My

1	24. (amended) All linger printinged between
2	comprising:
3	a spitting surface;
4	a cap assembly;
5	a reciprocating shuttle arranged to move between
6	first and second positions and to actuate the spitting
7	surface and the cap assembly;
8	the servicing assembly being arranged so that:
9	
10	when the shuttle is in the first position
11	the cap assembly is located distant
12	to a nozzle plate of the printhead
13	and the spitting surface is located
14	in close proximity to the nozzle
15	plate so that ink ejected from the
16	nozzle plate during a spitting rou-
17	tine is ejected onto the spitting
18	surface; and
19	
20	when the shuttle is in the second position
21	the cap assembly substantially caps
2 <i>2</i>	the nozzle plate and the spitting
23	surface is located in a position such
24	that the ink ejected onto the spit-
25	ting surface is transferable under
26	gravity to a permanent ink storage
27	container.

My

25. (amended) A method of servicing an inkjet printhead with a servicing assembly; said servicing assembly comprising a spittoon arranged to store ink ejected by said inkjet printhead in a spitting operation, and a generally planar spitting surface; said method comprising the steps of:

locating the spitting surface in a first position relatively closer to the printhead and generally horizontal so that drops ejected by the inkjet printhead in a spitting operation are ejected onto the spitting surface and generally are retained thereon;

translating the spitting surface to a second position relatively more remote from the printhead, allowing clearance for printhead wiping or capping, and at the second position inclining the generally planar spitting surface to discharge the retained into the spittoon.

26. (amended) A method of servicing an inkjet printhead
with a servicing assembly; said servicing assembly comprising a spittoon arranged to store ink ejected by said
inkjet printhead in a spitting operation, and a spitting
surface; said method comprising the steps of:
locating the spitting surface in a first position
such that drops ejected by the inkjet printhead in a
spitting operation are ejected onto the spitting surface;

moving the spitting surface to a second position
such that the ejected drops may be transferred to the
spittoon; and

capping or wiping the printhead when the spitting surface is in the second position.